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ABSTRACT

Colleges and universities in Connecticut annually report the number of degrees and certificates they award, along with information about the levels and the disciplines in which the awards are made. Comparing these data over the past decade to national information helps put Connecticut degree production into a context. This report provides such an analysis and reviews degrees granted in two of Connecticut's economic development clusters: Software and Information Technology and Biosciences. In addition, information is presented about the level of education attained by adults in Connecticut in comparison with other states. More than two-thirds of all degrees and certificates in Connecticut are awarded at the undergraduate level, and nearly half of all degrees and certificates granted are bachelor's degrees (48% in 1998-1999). This has changed from 10 years ago, as certificates, especially undergraduate certificates, have increased. This increase is a result of more activity and of better reporting by institutions. About half of the state's bachelor's degrees are granted by independent institutions. Data also show that women and minorities are earning increasing shares of degrees and certificates, with women earning 55% of the degrees and certificates 10 years earlier and 58% in 1998-1999. Minorities earned just over 8% of degrees and certificates 10 years earlier but received 14% in 1998-1999. Overall, in 1998-1999, the largest number of degrees granted were in business, with 19% of all degrees at this level in this discipline alone. The next higher fields were education (11%) and the health professions (11%), followed by the social sciences and history (9%). (Contains 20 figures and 13 tables.) (SLD)

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Report

February 2000

Board of Governors for Higher Education
Department of Higher Education
State of Connecticut

ED 457 790

Connecticut Degrees and Certificates: Trends and Comparisons with Workforce Demands for the 1990s

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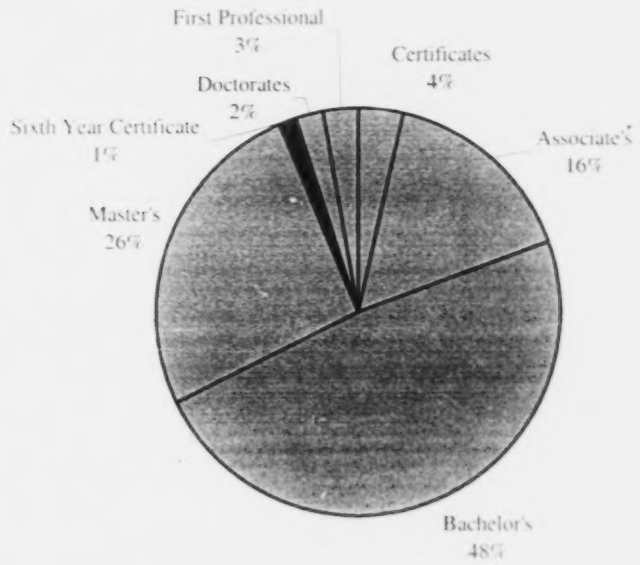
Connecticut Degrees and Certificates: Trends and Comparisons with Workforce Demands for the 1990s

Introduction

Colleges and universities in Connecticut annually report the number of degrees and certificates they award, along with information about the levels and disciplines in which the awards are made. Comparing these data over the past decade to key national figures helps put Connecticut's degree-production into a context. This report provides such an analysis and also reviews degrees granted in disciplines related to two of Connecticut's economic development clusters (Software and Information Technology and Biosciences). In addition, information about the level of education attained by adults in Connecticut in comparison with other states is presented.

Figure 1
Degrees and Certificates in Connecticut by Degree or Certificate Level
1998-99

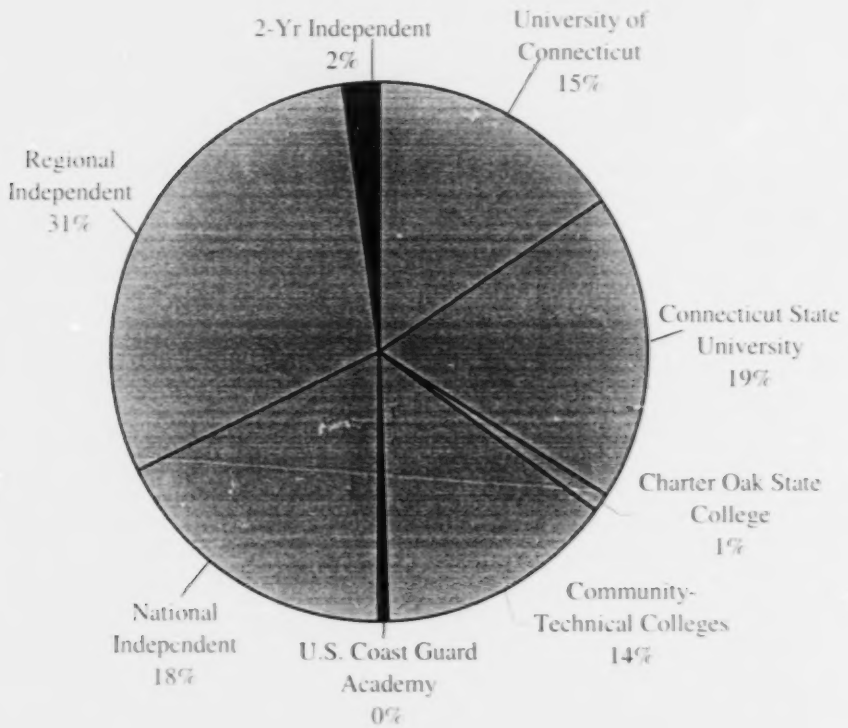


Overview

More than two-thirds of all degrees and certificates in Connecticut are awarded at the undergraduate level (see Figure 1), and nearly half of all degrees and certificates granted are bachelor's degrees (48% in 1998-99). This has changed from 10 years ago as certificates, particularly undergraduate certificates, have increased (see page three). This increase is due both to more activity and to more thorough reporting by institutions. The table on page 15 provides more data from each of the past 10 years regarding the number and level of degrees granted.

Within Connecticut, 45 colleges and universities are licensed to grant degrees and certificates. Half of the degrees and certificates were granted by independent institutions, and half granted by public institutions. Figure 2 shows which types of institutions within the independent and public sectors granted degrees and certificates in 1998-99. The proportions have remained stable over the last 10 years.

Figure 2
Proportion of Total Degrees by Type of Connecticut Institution, 1998-99



Women and minority students are earning increasing shares of degrees and certificates. Women earned 55 percent of the degrees and certificates ten years ago, and 58 percent in 1998-99. Minorities earned just over 8 percent of the degrees and certificates 10 years ago, and more than 14 percent in 1998-99. Connecticut's statewide policies and campus efforts to strengthen diversity have clearly worked. Tables on pages 17 and 18 provide detail about these trends.

Overall, in 1998-99 the largest number of degrees granted were in business, with 19 percent of all degrees at all levels in this discipline alone. The next highest were education (11%) and health professions (11%), followed by social sciences and history (9%), and liberal arts and sciences, general studies and humanities (8%). Together, these five disciplines account for more than half of all degrees and certificates.

The proportions of degrees vary by level. Since bachelor's degrees account for the largest share of all degrees and certificates in Connecticut, and also are a typical career-entry level for many fields, there are separate analyses of bachelor's degree trends are presented on pages 4 through 12. Among bachelor's degrees, the largest discipline is social sciences and history, with 16 percent of the total, followed closely by business with 15 percent.

Master's degrees are concentrated in fewer disciplines, with just two of them accounting for more than half of all master's degrees in Connecticut: education (30%), and business (27%).

At the doctoral level, four disciplines account for more than half the doctoral degrees granted: biological sciences/life sciences (16%), social sciences and history (16%), physical sciences (13%), and health professions and related sciences (10%). Three of these disciplines have grown in the past 10 years: degrees in biological sciences/life sciences grew by 10 doctoral degrees (11%), social sciences and history by 20 (28%), and health professions and related sciences by 44 (244%). The approximately 600 doctorates granted each year in Connecticut are all from seven institutions, the largest producers of which are Yale and the University of Connecticut. Wesleyan University, University of Hartford, University of Bridgeport, University of New Haven, and Hartford Seminary also grant doctoral degrees.

First-professional degrees include those in law and legal studies (69% of all first professional degrees), health professions and related sciences (25%), and theological studies and religious vocations (5%). Overall, first professional degrees are decreasing in number, with the largest percentage decline occurring in theology. Law degrees decreased by 37 percent in the 1990s. The number of medical degrees remain stable.

Increasingly, colleges and universities are offering and reporting greater number of certificates.[1] Thus, some portion of the apparent explosive growth in certificates is due simply to more thorough reporting. This is particularly true from 1992-93 through 1995-96. More recently, however, the growth in certificates is due to the increasing numbers of programs offered at this level. In addition, more colleges are reporting to the Department of Higher Education (for example, Gibbs College data were first reported in 1998-99). Most of the certificates are granted at the undergraduate level. In 1998-99 alone, more than 1,000 such certificates were granted by colleges and universities; 44 percent of the undergraduate certificates were in business. The growth has occurred primarily in business (up by 354 since 1989-90), health professions (up 124), and computer science (up 112). These fields represent growth areas where the rapid acquisition of a credential enables someone to move directly into a job. The tables and graph on pages 20 through 21 provide more information about the certificates and the trends over the 1990s.

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[1] "Certificates are formal awards certifying the satisfactory completion of a postsecondary instructional program or satisfactory performance on a test measuring required knowledges and skills." (U.S. Department of Education, 1990, Classification of Instructional Programs, p. 328.) Undergraduate certificates include those of less-than-one-year duration and those with more-than-one-year but less than two years. Graduate certificates include those that are post-baccalaureate and those that are sixth year (i.e., post-master's but short of a doctorate).

Bachelor's degrees in key disciplines

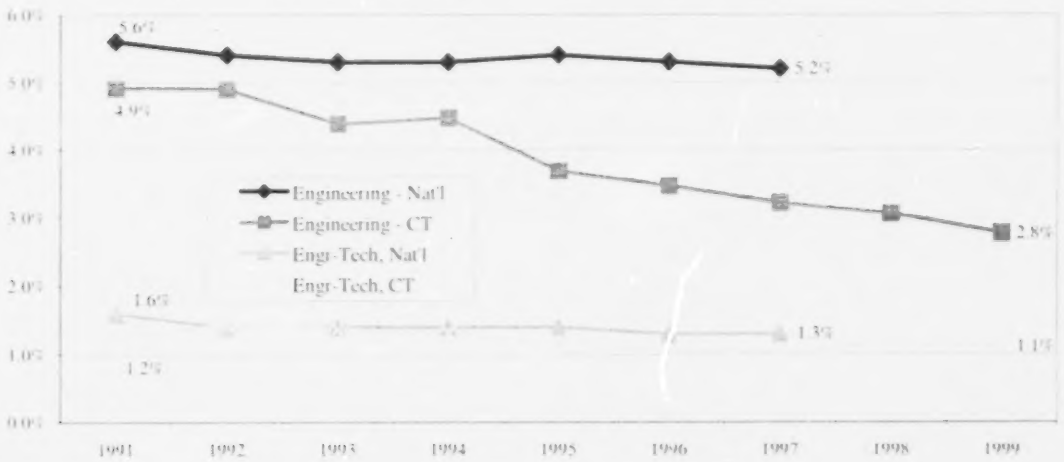
This section focuses on bachelor's degrees, particularly as compared with national data on trends in key areas related to Connecticut's economic development clusters.

According to the Connecticut Department of Labor, employment requiring a bachelor's degree is expected to increase by 18.5 percent in the 10 years from 1996 to 2006[2]. Fields requiring a bachelor's degree that are the fastest growing or need the greatest number of new workers include systems analysts, teachers and engineers. While it is difficult – perhaps even impossible – to precisely match production of bachelor's degrees with specific employment opportunities, it is important to review trends in disciplines that are closely aligned with key job areas, as well as several large production areas among Connecticut colleges and universities.

Engineering and Related Areas

Engineers of all types and technicians in engineering-related technologies are identified by the Department of Labor as "in demand" in Connecticut. Specific fields and their anticipated annual openings include computer engineers (341 annual openings), electrical and electronics engineers (207 annual openings), mechanical engineers (181 annual openings), civil engineers (102 annual openings), industrial engineers (63 annual openings), and aeronautical engineers (33 annual openings). Figure 3 shows national trends of percentage of total bachelor's degrees in these disciplines compared with Connecticut (the most recent year for which national data are available is 1997).

Figure 3
Bachelor's Degrees in Engineering & Engineering Technologies
as a percentage of total bachelor's degrees

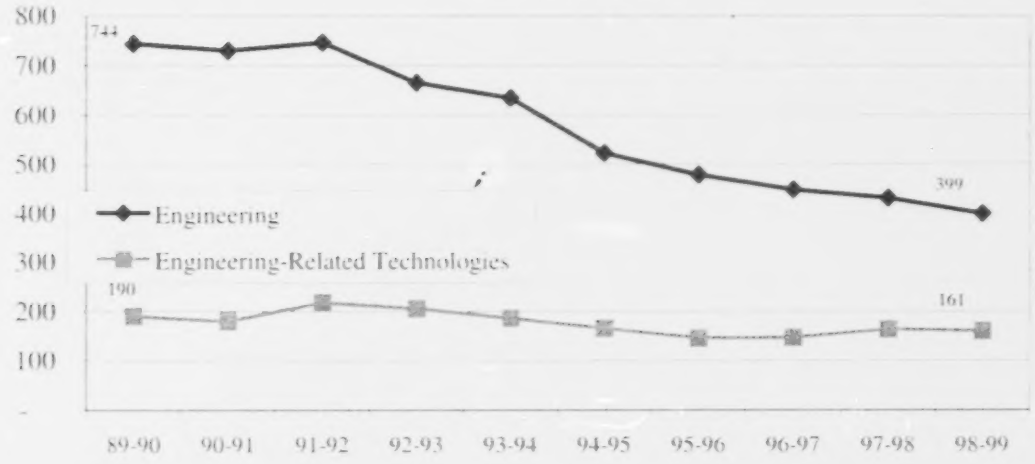


[2]Connecticut Department of Labor. Summer 1999. *Connecticut Forecast 2006: A Look at Today's and Tomorrow's Industries, Occupations, and Training Needs.*

Engineering and engineering technology bachelor's degrees have been a smaller percentage of total degrees in Connecticut than they are nationwide. However, the sharp decline in the proportion of engineering degrees in Connecticut, from nearly 5 percent to less than 3 percent between 1991 and 1999, deserves particular attention.

The absolute numbers of degrees in engineering and engineering-related technologies, as shown in Figure 4, have declined. Figure 3 showed degrees in these fields as a percentage of total bachelor's degrees; here we see that the absolute number decreased by 345 for engineering and by 29 for engineering-related technologies.

Figure 4
Connecticut Bachelor's Degrees in Engineering and Related Fields
1989-90 through 1998-99



A complete list of the bachelor's degrees by program is included on page 26. Department of Labor statistics indicate estimated annual openings for engineers in Connecticut totaling 927; in 1998-99, Connecticut colleges and universities produced 399 bachelor's degree recipients in these fields.

Computer and Information Sciences

Systems analysts and computer scientists/programmers are demand fields in Connecticut based on Department of Labor estimates. Specific occupations and their estimated annual openings include systems analysts (1,007 estimated annual openings), and computer programmers (312 estimated annual openings). While not all individuals who enter these professions major in computer and information sciences in college, tracking bachelor's degrees in this discipline is an indicator of the volume of people prepared to work in these occupations.

Bachelor's degrees in this discipline represent a smaller proportion of total bachelor's degrees in Connecticut than nationally. In neither case do they represent a sizeable proportion. Nationally, about 2.1 percent of all bachelor's degrees are in computer and information sciences; in Connecticut 1.3 percent are in this discipline. Figure 5 shows the trend for national figures and Connecticut.

Figure 5
Bachelor's Degrees in Computer and Information Sciences
as a Percentage of total bachelor's degrees

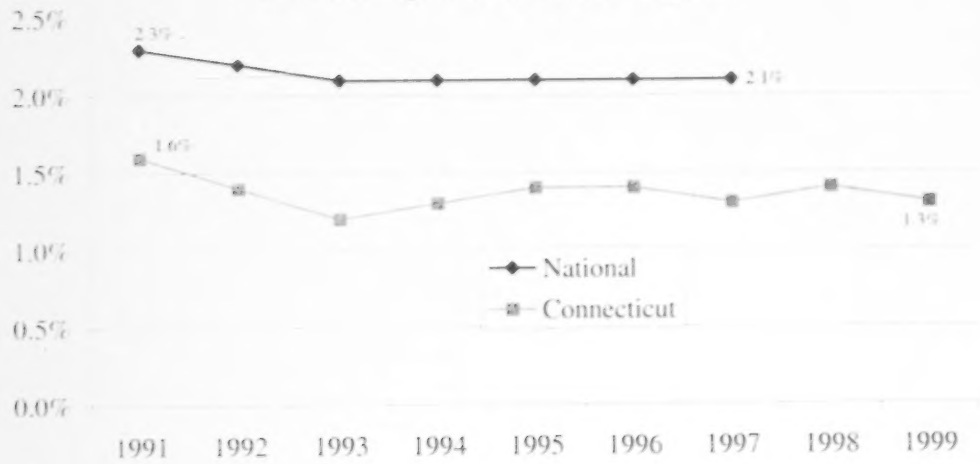
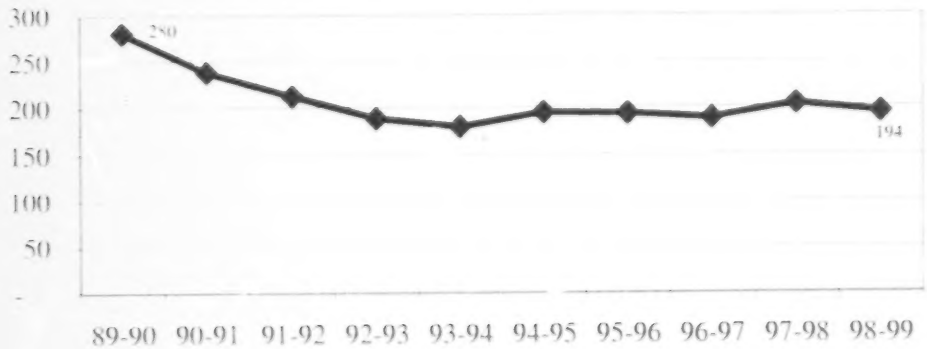


Figure 6 shows the number of bachelor's degrees granted by Connecticut colleges and universities in computer and information sciences in the last decade. The number decreased by 86, nearly a 31% drop. The total number of degrees, at 194, is clearly lower than the estimated demand of more than 1,319 in the two occupations seemingly most closely aligned with degrees in this field. The number of bachelor's degrees in each specific area within this broad discipline is shown on page 26.

Figure 6
Connecticut Bachelor's Degrees in Computer & Information
Sciences, 1989-90 through 1998-99

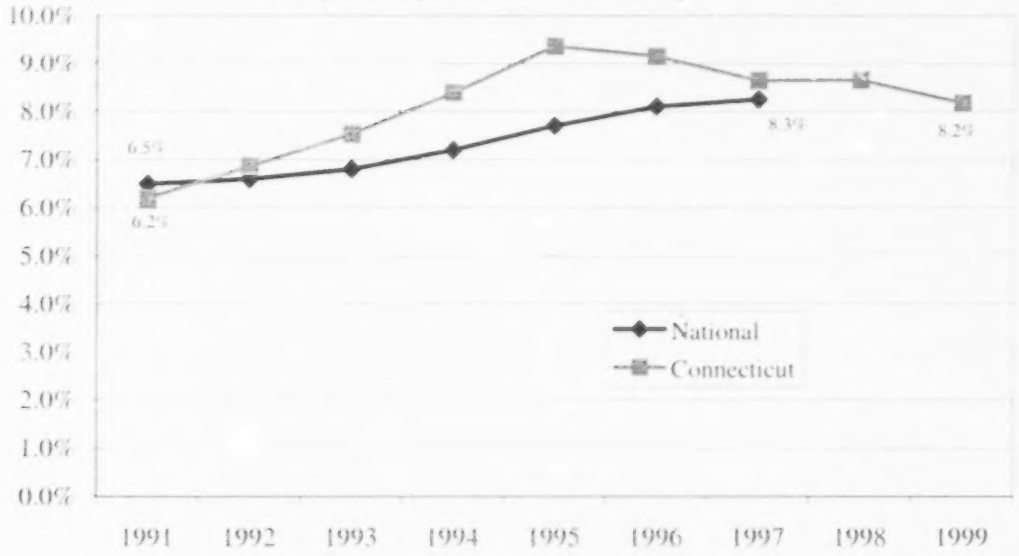


The Natural Sciences

Several areas of work may draw people with bachelor's degrees in the natural sciences. Department of Labor data indicate that biological scientists, physicians, life sciences teachers, and the like will be in demand in the future. Most of these careers require preparation beyond the bachelor's degree, but a bachelor's in a related field often is the foundation for such graduate study. Also, these careers do draw from other disciplines, thus the linkage of annual openings in occupations and degrees granted may be less easily made.

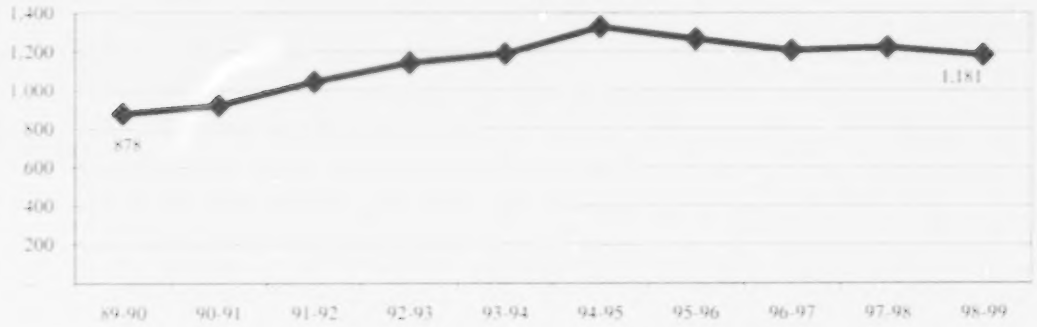
In Connecticut, the percentage of students graduating in natural sciences disciplines (biological/life sciences, mathematics, and physical sciences) rose through the mid-1990s and then dropped off (see Figure 7). Compared to national figures, Connecticut granted a higher percentage of degrees in this area, though the recent downward trajectory in Connecticut bears watching.

Figure 7
Bachelor's Degrees in Natural Sciences
as a percentage of total bachelor's degrees



The total number of bachelor's degrees from Connecticut colleges and universities in the natural sciences looks similar to Figure 7, which displays the percentage of degrees in these fields. In Connecticut, the number rose from 878 in the first year of the period to 1,181 in 1998-99. The peak occurred in 1994-95, with 1,326 bachelor's degrees. Figure 8 depicts these changes.

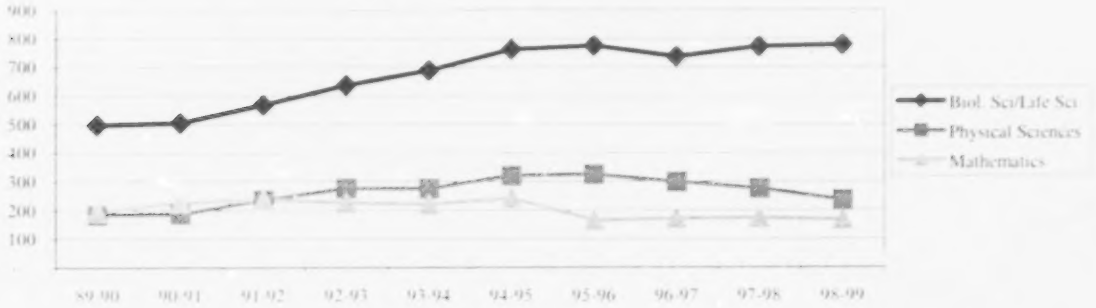
Figure 8
Connecticut Bachelor's Degrees in Natural Sciences Disciplines
1989-90 through 1998-99



For the sake of national comparisons, the natural sciences is composed of three disciplines: biological sciences/life sciences, mathematics, and physical sciences. Figure 9 depicts trends in these specific disciplines in Connecticut and shows that the biological sciences/life sciences discipline drives most of the change in this broad category.

A list of specific programs in each discipline is included on pages 26 and 27.

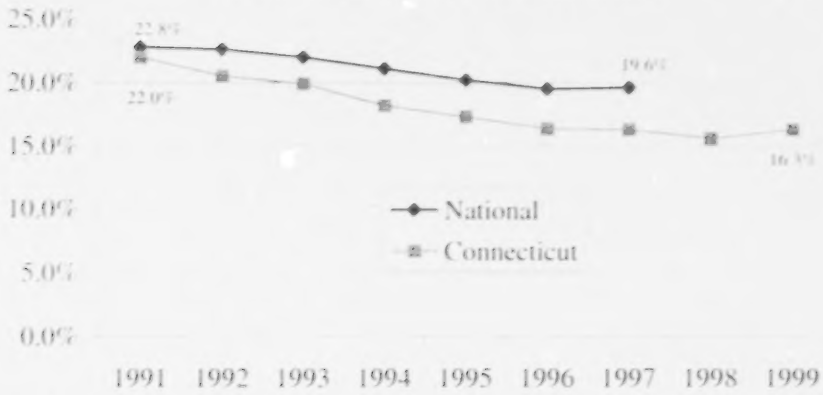
Figure 9
Connecticut Biological Sciences, Mathematics, and Physical Sciences Bachelor's Degrees, 1989-90 through 1998-99



Business Management and Administrative Services

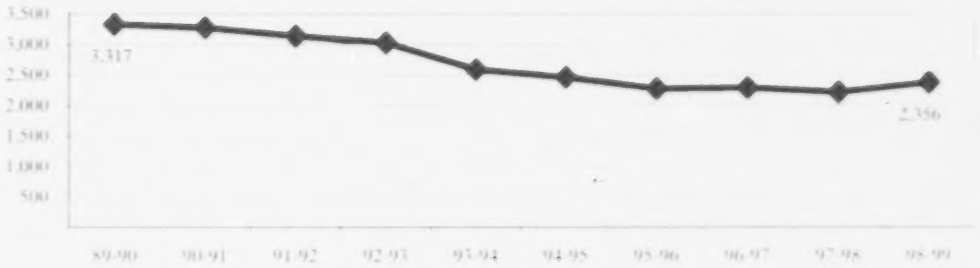
Growing professions in Connecticut include those in business management. Clear demand exists for accountants, underwriters, purchasing agents, and budget analysts, among other occupations associated with business management. Many who enter these professions have bachelor's degrees in business management and administrative services, or one of a related discipline that makes up this broad area including: 1) business management and administrative services, 2) marketing operations/marketing and distribution, and 3) personal and miscellaneous services. Compared with the same disciplines, Connecticut granted a somewhat smaller percentage of its bachelor's degrees in these fields than did colleges nationally. Figure 10 depicts the trends in percentage of total bachelor's degrees represented by these disciplines.

Figure 10
Bachelor's Degrees in Business Management
as a percentage of total bachelor's degrees



The absolute number of degrees in these fields in Connecticut decreased by 961 (29%) over the last decade as is shown in Figure 11.

Figure 11
Connecticut Bachelor's Degrees in Business Management &
Administrative Services Areas, 1989-90 through 1998-99



A complete list of the specific programs included within the two disciplines represented in this area in Connecticut is included on page 27.

Humanities

A very large percentage – nearly one of every four – of bachelor's degrees granted by Connecticut colleges and universities is across the broad set of disciplines called humanities. Eight individual disciplines comprise this area:

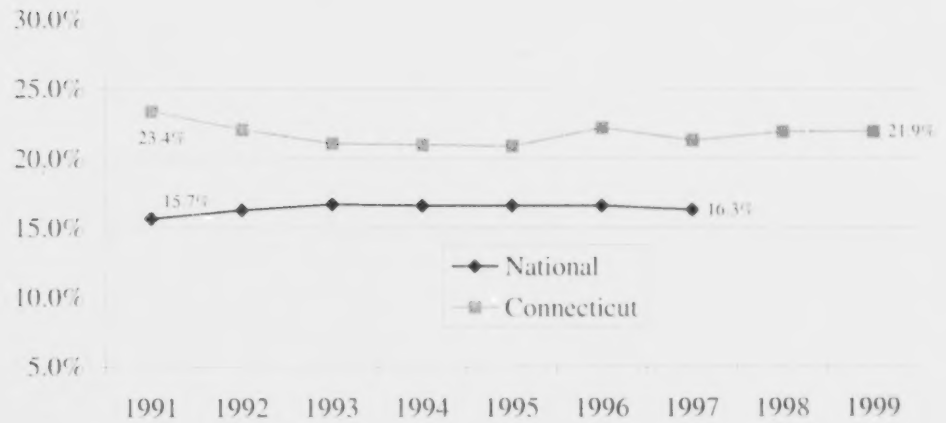
- Area and ethnic studies
- English language and literature/letters
- Foreign languages and literatures
- Liberal arts and sciences, general studies and humanities
- Multi/interdisciplinary studies

- Philosophy and religion
- Theological studies and religious vocations, and
- Visual and performing arts.

These fields cover a broad spectrum of knowledge and graduates in these areas may go on to a wide array of careers. One that is related to this broad array, writers and editors, is listed among the fields in demand by the Department of Labor estimates.

Figure 12 compares the percentage of all bachelor's degrees nationally and in Connecticut in the humanities area. Connecticut has a much higher percentage of degrees in the humanities than is true nationally, corresponding to its strong array of liberal arts-oriented institutions.

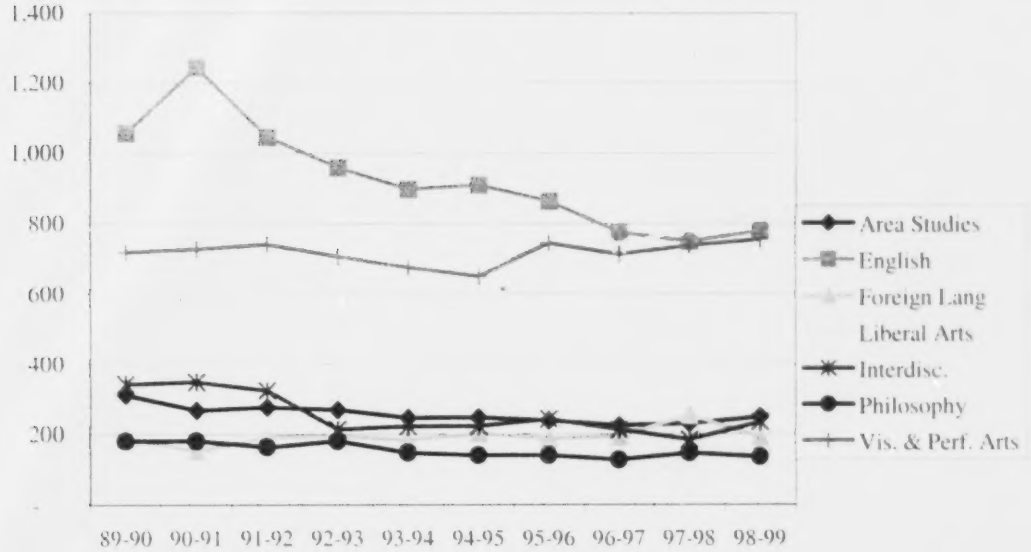
Figure 12
Bachelor's Degrees in Humanities
as a percentage of total bachelor's degrees



Though more than one out of every five bachelor's degrees in Connecticut is granted in one of the disciplines included in this category, the numbers are waning somewhat, dropping by 310 (8.9%) from the peak year of 1990-91.

Within this broad array of programs, the largest are English, visual and performing arts and the liberal arts. The largest, English, has dropped significantly during this period, while the next two are slightly increasing (see Figure 13).

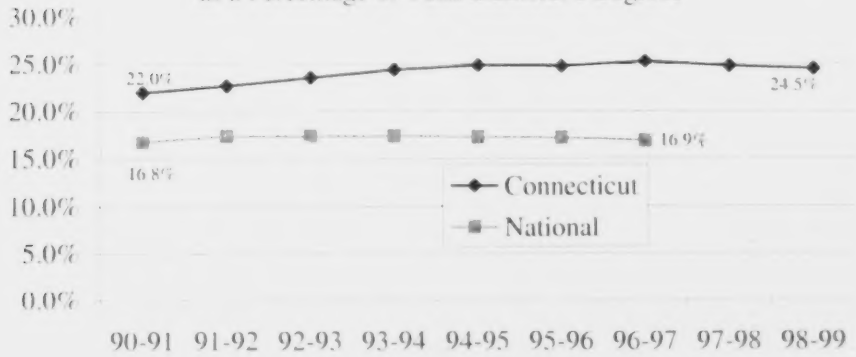
Figure 13
Humanities Disciplines in Which Bachelor's Degrees
Were Granted in Connecticut, 1989-90 through 1998-99



Social and Behavioral Sciences

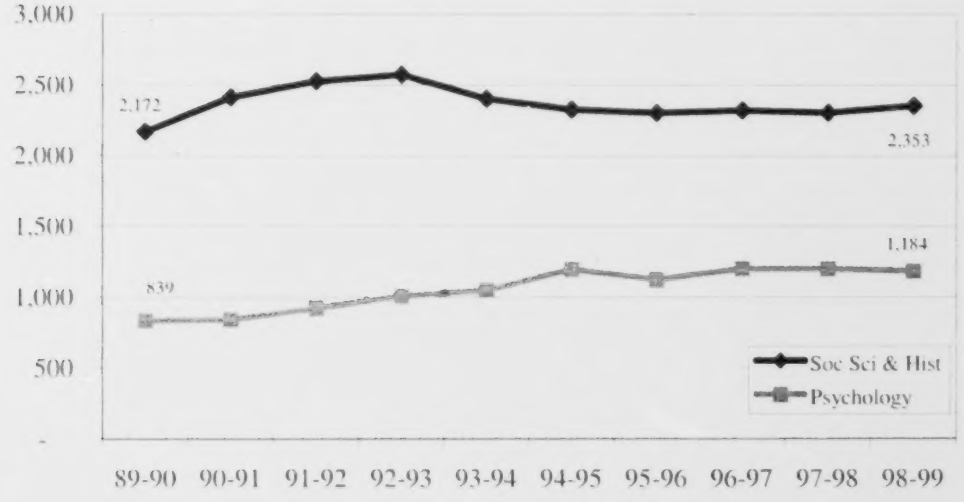
The social and behavioral science area is comprised of the disciplines social sciences and history, and psychology. Compared to national figures, Connecticut grants a considerably larger proportion of bachelor's degrees in these areas, with nearly one of four Connecticut students graduating in these fields compared with one of every six nationally. Figure 14 shows these figures and the trends for most of the 1990s.

Figure 14
Bachelor's Degrees in Social & Behavioral Sciences Area
as a Percentage of Total Bachelor's Degrees



In Connecticut, social sciences and history is the largest single discipline for bachelor's degree recipients, with 16 percent of all bachelor's degrees granted in this one area alone. Psychology makes up another 8 percent, with the number of bachelor's degrees in psychology rising by 345 (41%) over the last decade. This is shown in Figure 15.

Figure 15
Connecticut Bachelor's Degrees in Social Sciences & History and Psychology, 1989-90 through 1998-99



Educational Attainment of Connecticut's Adults

Much has been said about Connecticut's low unemployment rate (approximately 2%), and labor shortage, particularly the need for skilled workers. But just how well educated are Connecticut's adults? On average, fairly well by national standards. In recent estimates, the U.S. Census Bureau ranks Connecticut fourth in percentage of adults aged 25 and over with bachelor's degrees or higher. Ahead of Connecticut are the District of Columbia, Maryland, and Colorado. Ranked near Connecticut are several other New England states, including Massachusetts (fifth) and Rhode Island (eleventh). Table 1 displays all states plus the District of Columbia in the recent Census Bureau estimates.

Table 1
Percentage of Adults with Bachelor's Degrees
by State
1998

State	% of adults with bachelor's	Rank	State	% of adults with bachelor's	Rank
District of Columbia	36.5%	1	Pennsylvania	22.7%	26
Colorado	34.0%	2	Florida	22.5%	27
Maryland	31.8%	3	North Dakota	22.5%	28
Connecticut	**31.4%**	**4**	Missouri	22.4%	29
Massachusetts	**31.0%**	**5**	Wisconsin	22.3%	30
Minnesota	31.0%	6	Michigan	22.1%	31
Virginia	30.3%	7	Arizona	21.9%	32
New Jersey	30.1%	8	South Dakota	21.8%	33
Kansas	28.5%	9	Ohio	21.5%	34
Washington	28.1%	10	South Carolina	21.3%	35
Rhode Island	**27.8%**	**11**	Nebraska	20.9%	36
Oregon	27.7%	12	Georgia	20.7%	37
Utah	27.6%	13	Alabama	20.6%	38
Vermont	**27.1%**	**14**	Nevada	20.6%	39
New York	26.8%	15	Oklahoma	20.5%	40
New Hampshire	**26.6%**	**16**	Idaho	20.3%	41
California	26.4%	17	Iowa	20.3%	42
Illinois	25.8%	18	Kentucky	20.1%	43
Delaware	25.1%	19	Wyoming	19.8%	44
Alaska	24.2%	20	Louisiana	19.5%	45
Hawaii	24.0%	21	Mississippi	19.5%	46
Montana	23.9%	22	**Maine**	**19.2%**	**47**
North Carolina	23.3%	23	Indiana	17.7%	48
Texas	23.3%	24	Tennessee	16.9%	49
New Mexico	23.1%	25	West Virginia	16.3%	50
			Arkansas	16.2%	51

More complete data from the 1990 census indicate that Connecticut's distribution of educational attainment by adults includes 50.3 percent with a high school education or less, another 15.9 percent with some college but no degree, and 6.6 percent with an associate's degree. In the 1990 Census data, 27.2 percent of adults held bachelor's degrees. The 1998 estimate indicates and increase to 31.4 percent of adults with bachelor's degrees.

It is entirely probable that educational attainment is distributed quite differently among various socio-economic groups within the state. It is an important topic, worthy of a separate report.

Connecticut has the good fortune to rank 4th among states in terms of its percentage of residents holding bachelor's degrees. Yet we fall far short of other states in the number of bachelor's degrees earned in fields vital to our economic well-being, particularly, engineering and computer and information sciences. Among its major findings, this report shows that:

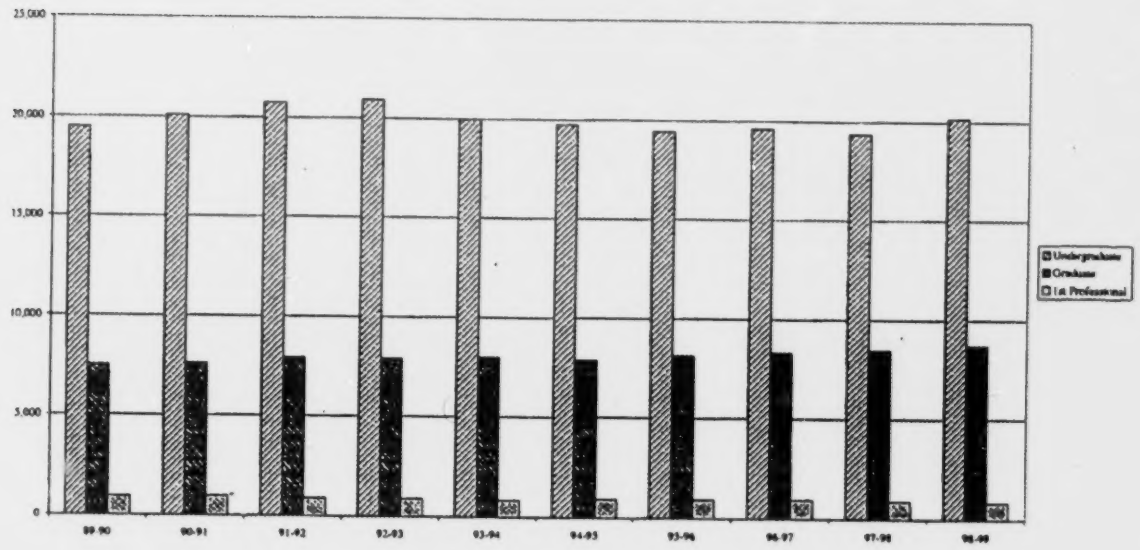
- The number of bachelor's degrees in computer and information sciences fell 31 percent between 1989 and 1999, compared to states where the proportion remained stable.

- The number of bachelor's degrees in engineering fell 46 percent over the same 10-year period, compared to other states where there was little decrease.

- While the number of bachelor's degrees in the natural sciences has grown 34 percent since 1989, nearly all of the increase has occurred in the biological sciences as opposed to the physical sciences and mathematics.

This report, by the Connecticut Department of Higher Education, is among the first of a series examining the educational attainment of Connecticut's workforce. The next, to be conducted with Connecticut United for Excellence, Inc. (CURE), will address supply and demand trends in the biological sciences, one of the several key industry clusters identified by the Governor's Competitiveness Council. This data is integral to the work of the Board of Governors for Higher Education in assuring a well-trained student pipeline to meet the state's present and future workforce needs.

DEGREES CONFERRED BY CONNECTICUT INSTITUTIONS OF HIGHER EDUCATION
1989-90 - 1998-99



	89-90	90-91	91-92	92-93	93-94	94-95	95-96	96-97	97-98	98-99	% change 90 to 99
Certificates	407	423	510	570	676	783	823	824	772	1,098	170%
Associate's	4,742	4,860	5,050	5,198	5,171	4,816	4,789	4,842	4,500	4,654	-2%
Bachelor's	14,335	14,836	15,210	15,149	14,152	14,158	13,814	13,946	14,102	14,415	1%
Undergraduate	**19,484**	**20,119**	**20,770**	**20,917**	**19,999**	**19,759**	**19,426**	**19,612**	**19,374**	**20,167**	**4%**
Master's	6,541	6,533	6,805	6,898	7,021	6,747	6,988	7,274	7,365	7,643	17%
Graduate Certificates	397	445	492	349	285	406	451	351	408	413	4%
Doctorates	572	610	604	630	646	707	676	667	686	629	10%
Graduate	**7,510**	**7,590**	**7,901**	**7,877**	**7,952**	**7,860**	**8,115**	**8,292**	**8,459**	**8,685**	**16%**
First Professional	**956**	**980**	**896**	**883**	**844**	**920**	**921**	**935**	**884**	**845**	**-12%**
Total Degrees Conferred	27,950	28,689	29,567	29,677	28,795	28,539	28,462	28,839	28,717	29,697	6%

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DEGREES CONFERRED BY CONNECTICUT INSTITUTIONS OF HIGHER EDUCATION
1989-90 - 1998-99

	Academic Year										% change
	89-90	90-91	91-92	92-93	93-94	94-95	95-96	96-97	97-98	98-99	90 to 99
Public Colleges and Universities:											
University of Connecticut - Health Center	108	105	116	106	98	113	116	127	117	120	11%
University of Connecticut, System	4,608	5,013	5,096	4,795	4,833	4,708	4,645	4,623	4,454	4,461	-3%
Subtotal, U Conn	4,716	5,118	5,212	4,901	4,931	4,821	4,761	4,750	4,571	4,581	-3%
Central Connecticut State University	1,831	1,837	1,989	2,111	1,952	1,885	1,839	1,736	1,668	1,691	-8%
Eastern Connecticut State University	804	765	781	808	654	794	733	731	775	817	2%
Southern Connecticut State University	2,009	1,917	2,303	2,381	2,138	2,129	2,034	2,134	2,173	2,208	10%
Western Connecticut State University	744	836	790	872	769	815	801	754	765	742	0%
Subtotal, CSU	5,388	5,355	5,863	6,172	5,513	5,623	5,407	5,455	5,386	5,458	1%
Charter Oak State College	259	243	235	283	249	245	249	321	374	356	37%
Asnuntuck Community-Technical College	141	154	183	170	175	170	191	179	176	175	24%
Capital Community-Technical College	416	439	407	362	352	361	338	305	281	297	-29%
Gateway Community-Technical College	331	332	387	457	556	519	493	585	431	445	34%
Housatonic Community-Technical College	154	155	184	212	226	243	287	257	242	287	86%
Manchester Community-Technical College	583	563	653	736	809	686	683	636	592	741	27%
Middlesex Community-Technical College	291	332	349	321	355	334	296	275	275	235	-19%
Naugatuck Valley Community-Technical College	569	599	609	661	610	647	550	611	567	525	-8%
Northwestern Connecticut Community-Technical College	136	159	189	232	257	224	216	220	228	219	61%
Norwalk Community-Technical College	409	365	409	405	414	423	459	467	417	425	4%
Quinebaug Valley Community-Technical College	83	82	95	126	99	110	156	150	153	110	33%
Three Rivers Community-Technical College	444	446	550	531	575	547	509	458	431	525	18%
Tunxis Community-Technical College	307	294	324	315	331	367	377	404	366	302	-2%
Subtotal, CTC	3,864	3,920	4,339	4,528	4,759	4,631	4,555	4,527	4,159	4,286	11%
United States Coast Guard Academy	154	206	191	185	223	186	219	171	172	138	-10%
Total, Public Colleges and Universities	14,381	14,842	15,840	16,069	15,675	15,504	15,191	15,224	14,662	14,819	3%
Independent Colleges and Universities:											
Connecticut College	592	532	571	504	503	452	418	489	430	440	-26%
Trinity College	468	484	511	532	499	520	478	487	477	530	13%
Wesleyan University	940	779	810	866	784	830	831	825	955	853	-9%
Yale University	3,357	3,408	3,363	3,343	3,449	3,521	3,485	3,441	3,376	3,468	3%
Subtotal, National Independents	5,357	5,203	5,255	5,247	5,235	5,323	5,212	5,242	5,238	5,291	-1%
Albertus Magnus College	224	150	142	148	105	192	139	286	387	377	204%
Fairfield University	1,046	1,071	1,035	1,060	1,012	997	1,093	964	1,020	1,011	-3%
Hartford Seminary	19	19	16	23	24	18	10	19	13	18	-5%
Holy Apostles College and Seminary	66	58	61	61	41	39	48	38	23	20	-70%
Lyme Academy of Fine Arts					4	4	10	4	12	10	
Mitchell College	205	187	216	189	183	108	140	127	150	165	-20%
Paier College of Art	47	37	41	47	44	45	46	43	49	38	-19%
Quinnipiac University	513	583	548	836	837	902	925	1,002	1,088	1,294	151%
Rensselaer at Hartford	587	578	513	569	538	455	467	409	458	529	-10%
Sacred Heart University	852	765	775	747	766	865	957	1,027	1,166	1,153	35%
St. Alphonsus College	6										-100%
St. Basil College	2									14	600%
St. Joseph College	283	289	313	339	395	390	338	387	405	377	33%
Teikyo Post University	304	342	369	374	365	353	391	357	306	297	-2%
University of Bridgeport	1,096	1,295	1,266	751	425	425	479	618	595	666	-39%
University of Hartford	1,794	1,972	1,941	1,798	1,703	1,514	1,566	1,427	1,647	1,546	-14%
University of New Haven	1,135	1,169	1,070	1,187	1,155	1,132	1,247	1,322	1,217	1,406	24%
Subtotal, Regional Independents	8,081	8,495	8,308	8,109	7,597	7,439	7,856	8,030	8,534	8,921	10%
Briarwood College	110	124	110	134	116	119	136	157	123	141	28%
Gibbs College	20	24	55	23	30	15	20	8	23	421	2005%
Goodwin College										0	
International College of Hospitality Management						0	83	76	34	53	
Mount Sacred Heart College	1	1	1	1	1	1	1	4			-100%
St. Vincent's College				54	83	62	59	59	53	31	
Wilcox College of Nursing				40	58	74	66	59	30		
Subtotal, Two-Year Independents	131	149	166	252	288	271	365	363	283	646	400%
Total, Independent Colleges and Universities	13,569	13,847	13,729	13,608	13,120	13,033	13,433	13,635	14,055	14,858	10%
GRAND TOTAL	27,950	28,689	29,567	29,677	28,795	28,539	28,624	28,859	28,717	29,677	6%

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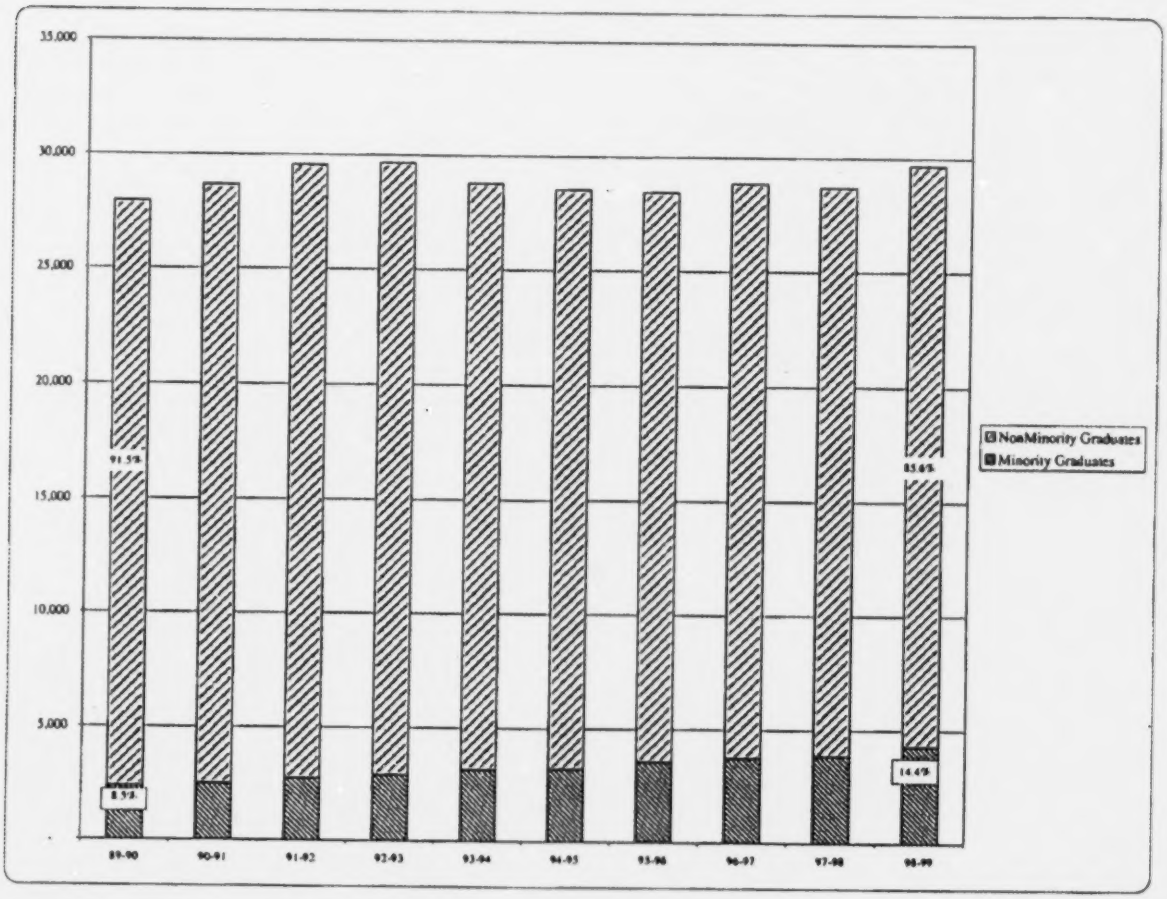
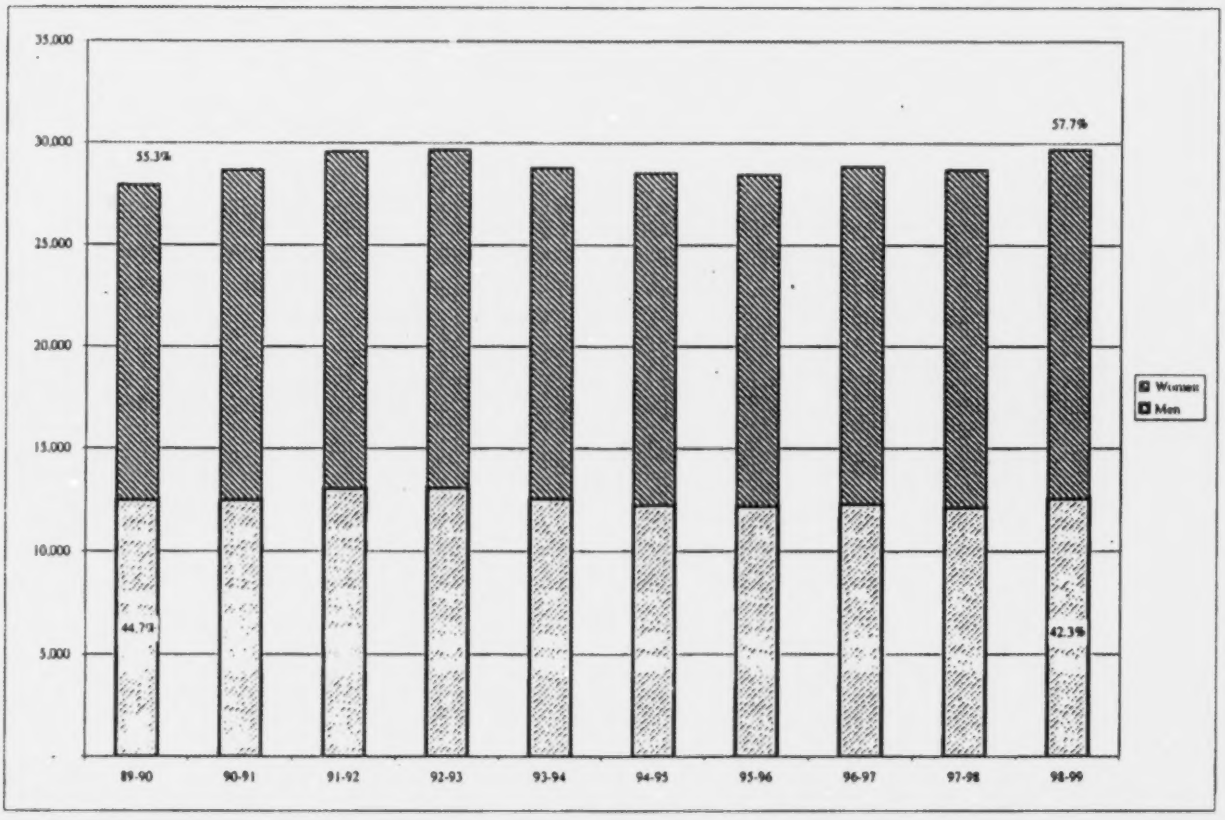
DEGREES CONFERRED BY CONNECTICUT INSTITUTIONS OF HIGHER EDUCATION
1989-90 to 1998-99
Minority and Nonminority Graduates



	89-90	90-91	91-92	92-93	93-94	94-95	95-96	96-97	97-98	98-99	% change 90 to 99
Total Minority Graduates	2,372	2,480	2,745	2,917	3,158	3,233	3,574	3,742	3,853	4,288	81%
Percent Minority Graduates	8.5%	8.6%	9.3%	9.8%	11.0%	11.3%	12.6%	13.0%	13.4%	14.4%	
Total NonMinority Graduates	25,578	26,209	26,822	26,760	25,637	25,306	24,888	25,117	24,864	25,409	-1%
Percent NonMinority Graduates	91.5%	91.4%	90.7%	90.2%	89.0%	88.7%	87.4%	87.0%	86.6%	85.6%	
Grand Total	27,950	28,689	29,567	29,677	28,795	28,539	28,462	28,859	28,717	29,697	6%

DEGREES CONFERRED BY CONNECTICUT INSTITUTIONS OF HIGHER EDUCATION
1989-90 to 1998-99
Men and Women Graduates



	89-90	90-91	91-92	92-93	93-94	94-95	95-96	96-97	97-98	98-99	% change 90 to 99
Total Men	12,483	12,483	13,048	13,077	12,547	12,224	12,159	12,283	12,113	12,559	1%
Percent Men	44.7%	43.5%	44.1%	44.1%	43.6%	42.8%	42.7%	42.6%	42.2%	42.3%	
Total Women	15,467	16,206	16,519	16,600	16,248	16,315	16,303	16,576	16,604	17,138	11%
Percent Women	55.3%	56.5%	55.9%	55.9%	56.4%	57.2%	57.3%	57.4%	57.8%	57.7%	
Grand Total	27,950	28,689	29,567	29,677	28,795	28,539	28,462	28,859	28,717	29,697	6%

Degrees and Certificates by Major Discipline Classification (CIP)
1989-90 to 1998-99

Discipline	89-90	90-91	91-92	92-93	93-94	94-95	95-96	96-97	97-98	98-99	% of total degrees	% change 90 to 99
Business Management and Administrative Services	6,416	6,340	6,470	6,359	5,979	5,462	5,462	5,294	5,248	5,677	19%	-12%
Health Professions and Related Sciences	1,927	2,137	2,254	2,557	2,777	3,068	3,081	3,336	3,076	3,209	11%	67%
Education	2,932	2,999	2,996	2,933	2,484	2,517	2,692	2,991	3,159	3,170	11%	8%
Social Sciences and History	2,520	2,820	2,912	2,956	2,814	2,748	2,713	2,714	2,735	2,712	9%	8%
Liberal Arts and Sciences, General Studies and Humanities	2,057	2,120	2,252	2,211	2,076	2,074	2,103	2,201	2,246	2,427	8%	18%
Psychology	1,036	1,031	1,156	1,225	1,340	1,558	1,423	1,478	1,529	1,478	5%	43%
Visual and Performing Arts	1,088	1,080	1,146	1,115	1,105	1,120	1,184	1,176	1,200	1,204	4%	11%
Biological Sciences/Life Sciences	778	771	807	888	987	1,034	1,093	1,056	1,068	1,077	4%	38%
English Language and Literature/Letters	1,175	1,373	1,169	1,059	1,007	1,038	971	885	838	887	3%	-25%
Communications	625	633	914	840	806	745	696	719	732	797	3%	28%
Law and Legal Studies	825	936	870	911	862	928	882	917	818	752	3%	-9%
Engineering	1,097	1,064	1,086	1,041	1,015	893	831	838	773	731	2%	-33%
Protective Services	213	230	255	322	339	391	438	439	524	594	2%	179%
Engineering-Related Technologies	848	711	753	716	686	597	534	533	548	538	2%	-37%
Computer and Information Sciences	556	459	409	380	384	355	345	297	359	534	2%	-4%
Public Administration and Services	323	359	442	438	481	456	485	513	525	523	2%	62%
Physical Sciences	392	368	437	434	473	505	484	488	472	416	1%	6%
Home Economics, General	248	286	336	313	309	259	312	333	323	324	1%	31%
Area, Ethnic, and Cultural Studies	372	346	350	346	314	300	302	273	285	323	1%	-13%
Foreign Languages and Literatures	276	235	305	327	307	322	292	318	336	295	1%	7%
Mathematics	267	307	350	313	321	328	251	273	245	260	1%	-3%
Multi/Interdisciplinary Studies	352	365	334	222	234	238	266	231	202	250	1%	-29%
Vocational Home Economics	204	248	303	373	287	235	275	252	252	238	1%	17%
Marketing Operations/Marketing and Distribution	328	368	314	256	230	226	216	211	217	208	1%	-37%
Philosophy and Religion	244	245	231	246	217	197	185	179	195	178	1%	-27%
Conservation and Renewable Natural Resources	89	102	101	143	151	160	174	163	171	162	1%	82%
Architecture and Related Programs	133	155	119	128	118	117	109	114	119	124	0%	-7%
Theological Studies and Religious Vocations	235	193	199	241	203	209	209	167	134	114	0%	-51%
Parks, Recreation, Leisure, and Fitness Studies	59	61	67	66	71	84	110	115	77	89	0%	51%
Library Science	119	120	114	113	116	95	87	86	98	80	0%	-33%
Agricultural Sciences	42	68	53	61	54	59	58	62	53	61	0%	45%
Precision Production Trades	43	60	58	66	63	76	50	47	27	48	0%	12%
Agricultural Business and Production	21	19	21	35	44	43	30	44	41	40	0%	90%
Personal and Miscellaneous Services					21	15	19	24	18	40	0%	
Transportation and Materials Moving Workers								15	9	39	0%	
Communications Technologies	26	19	33	31	22	41	40	37	24	32	0%	23%
Science Technologies	50	47	32	51	53	39	29	34	30	26	0%	-48%
Mechanics and Repairers	11	14	21	41	41	13	15	16	11	22	0%	100%
Basic Skills	23					4	21			19	0%	-17%
Grand Total	27,950	28,689	29,567	29,677	28,795	28,539	28,462	28,859	28,717	29,697		6%

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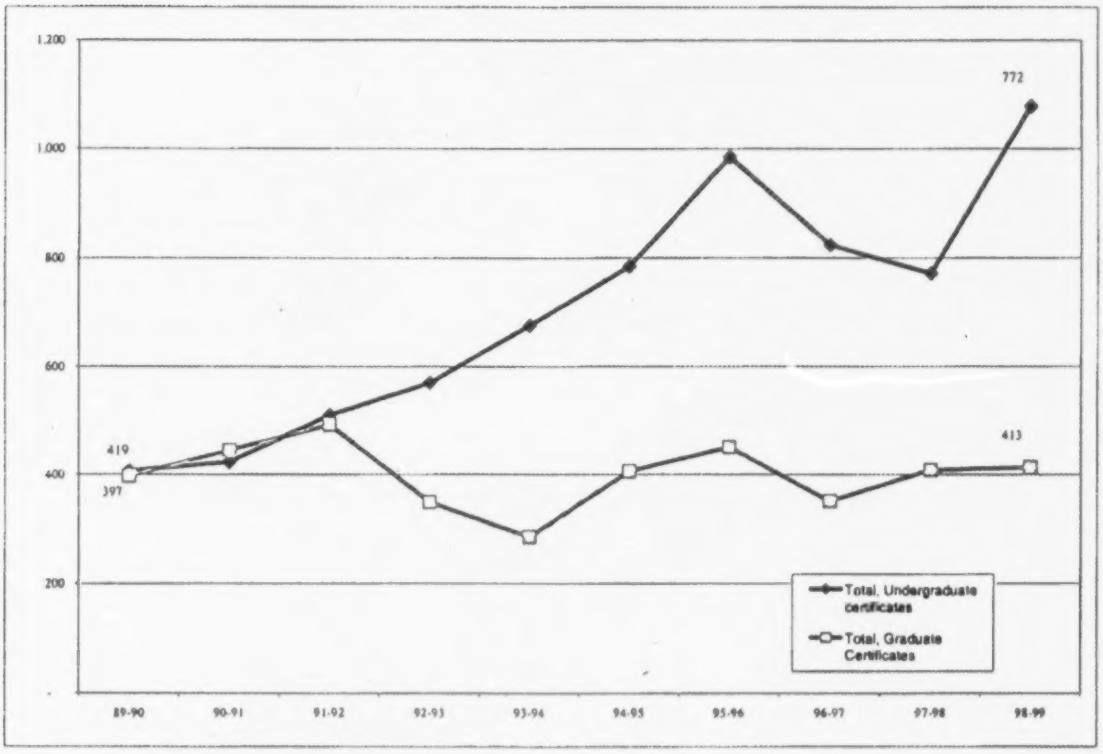
UNDERGRADUATE CERTIFICATES CONFERRED BY CONNECTICUT INSTITUTIONS OF HIGHER EDUCATION
1989-90 to 1998-99
By Major CIP Classification

Discipline	89-90	90-91	91-92	92-93	93-94	94-95	95-96	96-97	97-98	98-99	% change 1990-1999
Agricultural Business And Production	17	15	11	17	11					-	-100%
Agricultural Sciences	1	3	3	3	5	5	3	4	5	2	100%
Architecture and Related Programs	5	13	1	4	-	7	1	5	2	2	-60%
Basic Skills	23	-	-	-	-	4	21	-	-	-	-100%
Business Management and Administrative Services	122	104	149	149	218	164	211	206	261	476	290%
Communications	-	-	-	-	1	-	1	2	3	4	
Communications Technologies	1	1	4	2	4	23	20	16	2	6	500%
Computer and Information Sciences	6	8	8	3	1	-	1	5	3	118	1867%
Education	-	-	3	-	-	-	164	4	2	4	
Engineering-Related Technologies	16	7	16	24	36	69	69	110	78	81	406%
Health Professions and Related Sciences	83	96	146	167	211	286	271	266	218	207	149%
Law and Legal Studies	24	47	46	60	38	35	23	43	28	12	-50%
Liberal Arts and Sciences, General Studies and Humanities	8	6	8	3	3	-	4	5	2	2	-75%
Library Science	9	15	16	13	21	10	5	8	10	8	-11%
Marketing Operations/Marketing and Distribution	6	6	5	7	5	7	6	2	6	1	-83%
Mechanics and Repairers	10	11	13	13	9	5	8	8	6	15	50%
Parks, Recreation, Leisure and Fitness Studies	2	4	8	7	8	10	27	24	10	5	150%
Personal and Miscellaneous Services							-			6	
Precision Production Trades	17	37	27	36	33	37	30	28	19	28	65%
Protective Services	3	6	1	1	10	19	23	16	42	42	1300%
Public Administration and Services	1	1	-	1	1	30	-	-	-	1	0%
Social Sciences and History	2	6	5	4	1	11	5	4	5	2	0%
Visual and Performing Arts	16	10	14	22	15	24	31	25	28	26	63%
Vocational Home Economics	35	27	26	34	45	39	61	43	42	31	-11%
Grand Total, undergraduate certificates	407	423	510	570	676	785	985	824	772	1,079	165%

SIXTH YEAR CERTIFICATES CONFERRED BY CONNECTICUT INSTITUTIONS OF HIGHER EDUCATION
1989-90 to 1998-99
By Major CIP Classification

Discipline	89-90	90-91	91-92	92-93	93-94	94-95	95-96	96-97	97-98	98-99	% change 1990-1999
Education	389	439	470	332	274	338	397	295	351	358	-8%
Home Economics, General										2	
Health Professions and Related Sciences				1		27	30	35	32	32	
Library Science	6	1	2	3	4	4	1	1	2	2	-67%
Philosophy and Religion								1			
Psychology	2	5	20	12	7	29	19	15	21	18	800%
Theological Studies and Religous Vocations				1		8	4	4	2	1	
Grand Total, Graduate Certificates	397	445	492	349	285	406	451	351	408	413	4%

CERTIFICATES CONFERRED BY CONNECTICUT INSTITUTIONS OF HIGHER EDUCATION
1989-90 - 1998-99



	89-90	90-91	91-92	92-93	93-94	94-95	95-96	96-97	97-98	98-99	% change 90 to 99
Total, Undergraduate certificates	407	423	510	570	676	785	985	824	772	1,079	165%
Total, Graduate Certificates	397	445	492	349	285	406	451	351	408	413	4%
Total, All Certificates, All Levels	804	868	1,002	919	961	1,191	1,436	1,175	1,180	1,492	86%

Associate's Degrees, all disciplines
Ranked from highest to lowest
1989-90 to 1998-99

	89-90	90-91	91-92	92-93	93-94	94-95	95-96	96-97	97-98	98-99	% of total associate's	% change 1990-1999
Liberal Arts and Sciences, General Studies and Humanities	1,514	1,558	1,618	1,528	1,472	1,482	1,431	1,456	1,449	1,589	34%	5%
Business Management and Administrative Services	1,254	1,160	1,282	1,208	1,208	1,068	1,080	1,088	962	972	21%	-22%
Health Professions and Related Sciences	587	731	724	957	939	938	937	1,029	870	836	18%	42%
Engineering-Related Technologies	636	515	512	475	454	352	307	270	294	287	6%	-55%
Protective Services	95	101	133	167	176	187	214	215	223	220	5%	132%
Vocational Home Economics	155	214	168	230	233	191	213	209	210	207	4%	34%
Visual and Performing Arts	45	53	64	67	66	81	96	73	88	92	2%	104%
Law and Legal Studies	115	138	174	208	176	202	152	146	111	83	2%	-28%
Marketing Operations/Marketing and Distribution	132	159	141	95	116	102	118	115	100	78	2%	-41%
Personal and Miscellaneous Services					21	15	19	24	18	34	1%	
Parks, Recreation, Leisure and Fitness Studies	12	22	16	21	28	25	33	26	13	28	1%	133%
Public Administration and Services	13	27	15	15	11	-	28	28	34	28	1%	115%
Education	23	34	26	24	40	16	24	31	22	27	1%	17%
Communications Technologies	25	18	29	29	18	18	20	21	22	26	1%	4%
Science Technologies	50	47	52	51	55	39	29	24	30	26	1%	-48%
Engineering					4	6	9	9	14	24	1%	
Communications	7	9	15	21	15	15	11	8	8	22	0%	214%
Precision Production Trades	26	23	29	30	32	39	20	19	8	20	0%	-23%
Computer and Information Sciences	39	31	22	23	34	9	11	1	3	17	0%	-56%
Agricultural Business and Production						10	16	21	13	14	0%	
Mechanics and Repairers	1	3	8	28	32	8	7	8	5	7	0%	600%
Biological Sciences/Life Sciences						-	2	4	1	6	0%	
Physical Sciences			5	9	10	4	4	13	1	4	0%	
Agricultural Sciences		1	1	1		4	-	1	5	3	0%	
Architecture and Related Programs	5	10	9	6	5	3	4	2	5	2	0%	-60%
Social Sciences and History	3	2	4	2	4	1	1	1	-	2	0%	-33%
Home Economics, General	1	1	2	1	1	1	-	-	-	-	0%	-100%
Library Science	2	3	1	2	1		3		1	-	0%	-100%
Total Associate's Degrees Granted	4,740	4,860	5,050	5,198	5,171	4,816	4,789	4,842	4,500	4,654		-2%

Bachelor's Degrees, all disciplines

Ranked from highest to lowest
1989-90 to 1998-99

	89-90	90-91	91-92	92-93	93-94	94-95	95-96	96-97	97-98	98-99	% of total bachelors	% change 1990-1999
Social Sciences and History	2,172	2,414	2,528	2,574	2,403	2,327	2,303	2,322	2,305	2,353	16%	8%
Business Management and Administrative Services	3,127	3,062	2,958	2,864	2,470	2,334	2,174	2,184	2,094	2,227	15%	-29%
Health Professions and Related Sciences	694	674	745	761	866	1,041	956	1,081	1,084	1,213	8%	75%
Psychology	839	844	925	1,007	1,050	1,196	1,123	1,200	1,199	1,184	8%	41%
Liberal Arts and Sciences, General Studies and Humanities	535	556	613	674	592	581	656	732	790	826	6%	54%
English Language and Literature/letters	1,057	1,245	1,046	959	897	909	863	775	749	778	5%	-26%
Biological Sciences/Life Sciences	497	505	568	637	689	762	774	736	771	777	5%	56%
Visual and Performing Arts	719	727	741	706	676	650	744	712	737	754	5%	5%
Communications	560	614	888	804	773	713	665	696	706	749	5%	34%
Education	748	817	810	844	540	543	571	530	612	540	4%	-28%
Engineering	744	730	746	665	634	522	478	448	431	399	3%	-46%
Protective Services	94	87	102	124	126	149	157	172	223	259	2%	176%
Area, Ethnic and Cultural Studies	311	268	276	269	247	248	239	225	230	249	2%	-20%
Physical Sciences	185	188	237	278	277	321	325	299	277	236	2%	28%
Multi/Interdisciplinary Studies	342	349	324	214	222	223	243	213	184	234	2%	-32%
Home Economics, General	225	239	212	230	255	182	194	213	210	214	1%	-5%
Public Administration and Services	95	110	145	167	173	159	178	219	209	199	1%	109%
Computer and Information Sciences	280	238	212	188	179	194	193	188	203	194	1%	-31%
Foreign Languages and Literatures	188	152	191	194	184	202	188	193	254	191	1%	2%
Mathematics	196	228	239	227	222	243	166	171	173	168	1%	-14%
Engineering-Related Technologies	190	180	218	206	186	166	146	147	164	161	1%	-15%
Philosophy and Religion	180	181	163	180	147	140	140	127	146	136	1%	-24%
Marketing Operations	190	203	168	154	109	117	93	94	111	129	1%	-32%
Architecture and Related Programs	70	83	38	60	68	52	49	56	49	62	0%	-11%
Parks, Recreation, Leisure and Fitness Studies	29	28	12	33	29	42	46	63	49	48	0%	66%
Agricultural Sciences	36	53	38	47	44	37	48	47	35	47	0%	31%
Transportation and Materials Moving Workers								15	9	39	0%	
Conservation and Renewable Natural Resources	12	22	19	41	37	45	47	44	44	33	0%	175%
Law and Legal Studies	16	28	18	26	32	35	37	27	29	26	0%	63%
Agricultural Business and Production	1	2	7	9	23	21	11	12	21	19	0%	1800%
Library Science	3	7	3	7	2	4	8	5	4	3	0%	0%
Total Bachelor's Degrees Granted	14,335	14,836	15,210	15,149	14,152	14,158	13,814	13,946	14,102	14,447		1%

Master's Degrees, all disciplines
Ranked from highest to lowest
1988-89 to 1998-99

	89-90	90-91	91-92	92-93	93-94	94-95	95-96	96-97	97-98	98-99	% of total Master's	% change 1990-1999
Education	1,710	1,648	1,629	1,676	1,584	1,553	1,630	2,059	2,123	2,195	30%	28%
Business Management and Administrative Services	1,910	2,003	2,071	2,129	2,271	1,884	1,979	1,801	1,915	1,986	27%	4%
Health Professions and Related Sciences	334	396	413	451	534	531	626	652	610	679	9%	103%
Visual and Performing Arts	281	261	294	289	320	324	291	346	309	305	4%	9%
Public Administration and Services	214	221	282	255	296	267	279	266	292	295	4%	38%
Engineering	317	289	282	335	318	308	290	322	273	268	4%	-15%
Social Sciences and History	265	298	287	290	304	316	310	296	312	257	3%	-3%
Psychology	158	151	178	165	230	291	232	222	254	241	3%	53%
Computer and Information Sciences	218	176	156	135	163	141	131	96	143	205	3%	-6%
Biological Sciences/Life Sciences	192	171	150	144	199	153	204	220	183	195	3%	2%
Conservation and Renewable Natural Resources	68	75	78	97	110	109	122	107	125	123	2%	81%
Home Economics, General	21	45	119	77	47	75	114	119	110	105	1%	400%
Physical Sciences	122	114	121	91	107	102	98	106	109	97	1%	-20%
English Language and Literature/Letters	92	92	100	79	89	101	81	85	69	88	1%	-4%
Mathematics	48	55	89	64	81	59	60	74	53	76	1%	58%
Protective Services	21	36	19	30	27	36	44	36	36	73	1%	248%
Foreign Languages and Literatures	61	56	78	87	84	71	72	90	53	70	1%	15%
Library Science	99	94	92	88	88	77	65	72	81	67	1%	-32%
Theological Studies and Religious Vocations	101	91	106	131	117	91	110	80	60	60	1%	-41%
Area, Ethnic and Cultural Studies	57	73	64	64	55	42	52	43	55	59	1%	4%
Architecture and Related Programs	53	49	51	58	45	55	55	51	63	58	1%	9%
Law and Legal Studies	37	44	37	29	31	38	58	42	49	44	1%	19%
Philosophy and Religion	54	48	44	49	54	44	26	37	34	28	0%	-48%
Communications	58	10	11	15	17	17	19	13	15	22	0%	-62%
Multi/Interdisciplinary Studies	8	7	6	4	8	8	6	3	7	14	0%	75%
Engineering-Related Technologies	6	9	7	11	10	10	12	6	12	9	0%	50%
Parks, Recreation, Leisure and Fitness Studies	16	7	11	5	6	7	4	2	5	8	0%	-50%
Agricultural Business and Production	3	1	1	7	6	8	2	8	7	6	0%	100%
Liberal Arts and Sciences, General Studies and Humanities	-	-	9	4	7	13	11	12	4	6	0%	
Agricultural Sciences	3	8	11	10	4	11	4	8	4	4	0%	33%
Vocational Home Economics	14	7	9	9	9	5	1	-	-	-	0%	-100%
Total Master's Degrees Granted	6,541	6,535	6,805	6,898	7,021	6,747	6,988	7,274	7,365	7,643		17%

Doctorates Conferred, all disciplines

Ranked from highest to lowest
1989-90 to 1998-99

	89-90	90-91	91-92	92-93	93-94	94-95	95-96	96-97	97-98	98-99	% of total Doctorates	% change 1990-1999
Biological Sciences/Life Sciences	89	95	89	107	99	109	113	96	113	99	16%	11%
Social Sciences and History	78	100	88	86	102	93	94	91	113	98	16%	26%
Physical Sciences	85	66	74	76	79	78	57	70	84	79	13%	-7%
Health Professions and Related Sciences	18	26	10	21	18	42	40	49	41	62	10%	244%
Education	62	61	58	57	46	67	68	72	49	46	7%	-26%
Engineering	36	45	58	41	59	57	54	59	55	40	6%	11%
Psychology	37	31	33	41	53	42	49	41	55	35	6%	-5%
Foreign Languages and Literatures	27	27	36	46	39	49	32	35	30	34	5%	26%
Visual and Performing Arts	27	29	33	31	28	41	28	27	31	27	4%	0%
English Language and Literature/Letters	26	36	23	21	21	28	27	25	20	21	3%	-19%
Business Management and Administrative Services	3	11	10	9	12	12	18	15	16	16	3%	433%
Mathematics	23	24	22	22	18	26	25	28	19	16	3%	-30%
Area, Ethnic and Cultural Studies	4	5	10	13	12	10	11	5	7	14	2%	250%
Philosophy and Religion	10	16	24	17	16	13	19	14	15	14	2%	40%
Theological Studies and Religious Vocations	11	11	6	8	11	9	2	10	4	7	1%	-36%
Conservation and Renewable Natural	9	5	4	5	4	6	5	12	7	6	1%	-33%
Agricultural Sciences	2	1			1	2	3	2	4	5	1%	150%
Liberal Arts and Sciences, General Studies and			4	2	2	1	6	-	1	4	1%	
Home Economics, General	1	1	3	5	6	1	4	1	3	3	0%	200%
Multi/Interdisciplinary Studies	2	9	4	4	4	4	6	4	6	2	0%	0%
Agricultural Business and Production		1	2	2	4	4	1	3		1	0%	
Computer and Information Sciences	13	6	11	11	7	11	9	7	7	-	0%	-100%
Law and Legal Studies	9	4	2	5	5	2	5	1	6	-	0%	-100%
Total Doctorates Granted	572	610	604	630	646	707	676	667	686	629		10%

First Professional Degrees

Ranked from highest to lowest
1989-90 to 1998-99

	89-90	90-91	91-92	92-93	93-94	94-95	95-96	96-97	97-98	98-99	% of total first prof.	% change 1990-1999
Law & Legal Studies	624	675	593	583	580	616	607	658	595	587	69%	-6%
Health Professions & Related Sciences	211	214	216	199	189	203	221	224	221	212	25%	0%
Theological Studies & Religious Vocations	121	91	87	101	75	101	93	73	68	46	5%	-62%
Total	956	980	896	883	844	920	921	955	884	845		-12%

Bachelor's Degrees by four-Digit CIP, Selected Disciplines

CIP	Program Name	89-90	90-91	91-92	92-93	93-94	94-95	95-96	96-97	97-98	98-99
1101	Computer & Information Sciences, General	232	194	171	170	157	189	168	162	180	175
1103	Data Processing Technology/Technician	15	17	17	7		7	4			
1104	Information Sciences & Systems	19	21	17	10	22	13	20	23	20	18
1199	Computer & Information Sciences, Other	14	6	7	1		2		4	3	1
11	Computer & Information Sciences - Total	280	238	212	188	179	191	192	189	203	194
1401	Engineering, General	13	17	13	20	21	24	19	22	26	20
1405	Bioengineering & Biomedical Engineering	3	3	2	3						8
1407	Chemical Engineering	23	24	13	23	29	34	17	20	36	27
1408	Civil Engineering, General	102	113	122	116	114	77	97	74	88	61
1409	Computer Engineering	51	47	42	46	39	36	31	37	29	50
1410	Electrical, Electronics & Communication Engineering	304	289	287	233	204	127	130	107	91	74
1412	Engineering Physics		2	4	5	7	2	3	7	2	1
1413	Engineering Science	1	11	9	8	13	8	12	17	4	9
1417	Industrial/Manufacturing Engineering	8	4	4	23	23	34	7	9	9	11
1418	Materials Engineering	1	4	2	1	4	1		2		1
1419	Mechanical Engineering	181	133	189	145	117	125	109	113	103	113
1422	Naval Architecture & Marine Engineering	23	19	23	10	24	20	17	7	17	13
1427	Systems Engineering						3		1	1	
1499	Engineering, Other	33	42	36	32	39	41	34	32	25	13
14	Engineering - Total	744	730	746	665	634	512	479	449	431	399
1501	Architectural Engineering Technology/Technician					4	7	11	16	24	15
1503	Computer Engineering Technology/Technician	46	46	54	36	35	29	13	12	23	19
1506	Industrial/Manufacturing Technology/Technician	128	117	146	148	130	113	99	102	87	74
1507	Occupational Safety & Health Technology/Technician	1	2	1	1	1	1	3	3		28
1508	Aeronautical & Aerospace Engineering Technology/Technician							8	7	15	14
1510	Construction/Building Technology/Technician	13	15	17	21	16	16	14	7	15	11
15	Engineering-Related Technologies - Total	190	180	218	206	186	164	148	147	164	161
2601	Biology, General	336	333	386	422	438	511	496	439	498	439
2602	Biochemistry	22	6	8	6	11	9	14	19	7	10
2603	Botany, General	4	3	2	3	6	5	2	4	2	4
2604	Cell Biology	80	97	101	116	109	132	147	134	122	109
2605	Microbiology/Bacteriology	3	2	3		3	1	1	1	4	1
2606	Anatomy	26	30	39	36	50	61	63	83	81	88
2607	Zoology, General	27	22	39	32	30	43	46	44	37	46
26	Biological Sciences/Life Sciences - Total	497	503	568	637	689	762	774	736	771	777
2701	Mathematics	130	138	163	163	139	188	128	128	139	132
2703	Applied Mathematics, General	16	25	33	24	23	24	14	10	15	12
2705	Mathematical Statistics	11	10	11	12	7	13	8	9	6	3
2799	Mathematics, Other	25	33	31	29	33	19	16	26	23	21
27	Mathematics - Total	172	206	239	227	221	243	166	171	173	168

Bachelor's Degrees by four-Digit CIP, Selected Disciplines

CIP	Program Name	89-90	90-91	91-92	92-93	93-94	94-95	95-96	96-97	97-98	98-99
4001	Physical Sciences, General	2	2	16	20	21	32	23	22	18	16
4002	Astronomy	1	0	3	3	5	3	1	2	1	1
4003	Astrophysics	3		3	2	3	1	3	3	4	3
4004	Atmospheric Sciences & Meteorology			1	4	4	1	4		3	6
4005	Chemistry, General	91	93	80	90	95	86	99	101	102	101
4006	Geology	10	12	10	18	19	29	26	22	20	18
4007	Metallurgy	20	28	30	34	43	49	53	47	45	34
4008	Physics, General	46	42	62	53	40	63	49	41	36	42
4099	Physical Sciences, Other	12	5	23	34	47	53	67	61	48	25
40	Physical Sciences - Total	188	188	237	278	277	331	325	299	277	256
0801	Apparel & Accessories Marketing Operations, General	18	27	13	19	10	5	8	6	8	7
0803	Entrepreneurship								6	4	7
0811	Tourism Promotion Operations	12	9	10	10	5	7	4	9	6	6
0899	Marketing Operations/ Marketing & Distribution, Other	160	167	145	125	94	103	80	73	93	109
08	Marketing Operations/ Marketing & Distr. - Total	190	203	168	154	109	117	92	94	111	129
5301	Business, General	438	312	293	280	166	178	180	151	126	138
5302	Business Administration & Management, General	909	799	788	820	730	660	646	643	697	693
5303	Accounting	695	749	749	691	683	623	569	547	506	517
5306	Business/Managerial Economics	116	100	73	74	37	64	38	95	8	42
5308	Finance, General	424	511	519	462	393	329	314	314	347	438
5309	Hospitality/Administration Management	52	49	31	29	23	18	32	16	22	13
5310	Human Resources Management	9	12	14	13	7	9	3	3	3	1
5311	International Business	18	18	12	19	28	43	63	61	63	94
5312	Management Information Systems & Business Data Processing, General	103	105	120	113	104	104	136	119	133	179
5313	Management Science			1							
5314	Business Marketing & Marketing Management	346	385	318	346	239	257	196	202	190	143
5315	Real Estate	16	9	4	6	3	8	4	3	3	3
5299	Business Management & Administrative Services, Other	25	30	36	27	37	39	31	30	18	13
52	Business Mgt. & Administrative Svcs - Total	3,151	3,084	2,938	2,866	2,470	2,334	2,174	2,184	2,094	2,227